3. (Twice Amended)   A protein [comprising] <u>consisting of</u> a grafted optimized protein surface loop that specifically binds a selected target, wherein the protein surface loop is not endogenous to the protein, replaces a surface loop on the protein, and [is optimized prior to grafting] <u>wherein the protein is not an antibody</u>.

13. (Twice Amended) The [targeted agent or] protein of [any of claims 1 or] <u>claim 3</u>, wherein the target is a biological entity.

14. (Twice Amended) The [targeted agent or] protein of [any of claims 1 or] <u>claim 3</u>, wherein the target is an organ, tumor, tissue, cell, virus, or microorganism.

15. (Twice Amended) The [targeted agent or] protein of [any of claims 1 or] <u>claim 3</u>, wherein the target is a synthetic or naturally occurring macromolecule.

16. (Twice Amended) The [targeted agent or] protein of [any of claims 1 or] <u>claim 3</u>, wherein the target is a protein.

17. (Twice Amended) The [targeted agent or] protein of [any of claims 1 or] <u>claim 3</u>, wherein the target is a cell surface protein.

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18. (Twice Amended) The [targeted agent or] protein of [any of claims 1 or] claim 3, wherein the target is an integrin.

19. (Twice Amended) The [targeted agent or] protein of [any of claims 1 or] claim 3, wherein the target is an integrin that binds to an Arg-Gly-Asp (RGD) tripeptide motif.

20. (Twice Amended) The [targeted agent or] protein of [any of claims 1 or] claim 3, wherein the target is $\alpha_{IIb}\beta_3$ integrin.

21. (Twice Amended) The [targeted agent or] protein of [any of claims 1 or] claim 3, wherein the target is $\alpha_v\beta_3$ integrin.

22. (Twice Amended) The [targeted agent or] protein of [any of claims 1 or] claim 3, wherein the optimized, protein surface loop is a complementarity determining region of an IgG-like molecule.

23. (Twice Amended) The [targeted agent or] protein of [any of claims 1 or] claim 3, wherein the optimized, surface loop is a complementarity determining region of an antibody molecule.

Please add the following new claim.